

JUN 08 2006



5775 Morehouse Drive  
San Diego, CA 92121  
Fax: (858) 658-2502

*Facsimile Transmittal*

DATE: June 8, 2006

TO: Commissioner for Patents

ATTN: Examiner: Lawrence B. Williams  
Art Unit: 2611

FAX NUMBER: (571) 273-8300

FROM: Dmitry R. Milikovsky, Reg. No. 41,999, Attorney for Applicant  
Direct Telephone No. (858) 845-0130

Total Number of Pages Sent: 18 (including this transmittal cover sheet)

\*\*\*\*\*  
**FILING BY FACSIMILE:**

ATTORNEY DOCKET NO.: 020613

**ENCLOSED ARE:**

1. Amendment Transmittal (1 page, in duplicate)
2. Terminal Disclaimer (3 pages, in duplicate)
3. Amendment (9 pages)

APPLICANT: Ketchum et al.

ASSIGNEE: QUALCOMM Incorporated

SERIAL NO.: 10/693,171

FILED: October 23, 2003

FOR: CHANNEL ESTIMATION AND SPATIAL PROCESSING FOR TDD MIMO SYSTEMS  
\*\*\*\*\*

Please contact Kate Lane at (858) 658-2047 if all pages do not transmit.

**Special Instructions:** THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL TO WHOM IT IS ADDRESSED AND CONTAINS INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately. Thank you!

JUN 08 2006

PTO/SB/21

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

## AMENDMENT TRANSMITTAL FORM

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450Customer No.: 23696  
Attorney Docket No.: 020613  
In Re Application of: Ketchum et al.  
Serial Number: 10/693,171  
Filed: October 23, 2003  
Examiner: Lawrence B. Williams  
Group Art Unit: 2611

Dear Sir:

Transmitted herewith for filing is a Response to Office Action in the above identified application.

CLAIMS	(a) Number Remaining After Amendment	(b) Highest Number Previously Paid For	(c) Extra Claims	Large Entry Fee	Fee Paid
Total*	24	59	0	x \$50 =	\$0
Independent**	4	15	0	x \$200 =	\$0
Multiple Dependent Claim(s): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				\$360	\$0
EXTENSION FEES <input type="checkbox"/> One Month <input type="checkbox"/> Two Months <input type="checkbox"/> Three Months				\$120	\$0
				\$450	\$0
				\$1020	\$0
TERMINAL DISCLAIMER				\$130	\$130
				TOTAL FEE	\$130.00

\*If the number in column a is less than 20, enter 0 in column c.  
\*\*If the number in column a is less than 3, enter 0 in column c.

4. ☐ Fee check in the amount of \$ is enclosed to pay for any claim and/or extension fees.
5. ☒ Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$130.00. The Commissioner is hereby authorized to charge payment of any additional fees that may be required, or credit any overpayment to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
6. ☒ The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: June 8, 2006

Signature: Dmitry R. Milikovsky, Reg. No. 41,999  
(858) 845-0130QUALCOMM Incorporated  
Attn: Patent Department  
5775 Morehouse Drive  
San Diego, California 92121-1714  
Telephone: (858) 658-5787  
Facsimile: (858) 658-2502

## CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

## MAILING

- ☐ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Depositor's Name: \_\_\_\_\_

(type or print name)

Date: June 8, 2006

## FACSIMILE

- ☒ transmitted by facsimile to the Patent and Trademark Office.

Depositor's Name: Kate Lane

(type or print name)

Signature: 

(TRANSAMD.VER1.13-04/30/04)

PTO/SB/21

U.S. Department of Commerce  
Patent and Trademark Office  
PATENTRECEIVED  
CENTRAL FAX CENTER

## AMENDMENT TRANSMITTAL FORM

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

DUPLICATE

Customer No.: 23696  
Attorney Docket No.: 020613  
In Re Application of: Ketchum et al.  
Serial Number: 10/693,171  
Filed: October 23, 2003  
Examiner: Lawrence B. Williams  
Group Art Unit: 2611

JUN 08 2006

Dear Sir:

Transmitted herewith for filing is a Response to Office Action in the above identified application.

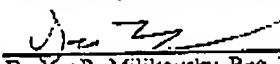
CLAIMS	(a) Number Remaining After Amendment	(b) Highest Number Previously Paid For	(c) Extra Claims	Large Entry Fee	Fee Paid
Total*	24	59	0	x \$50 =	\$0
Independent**	4	13	0	x \$200 =	\$0
Multiple Dependent Claim(s): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				\$360	\$0
EXTENSION FEES				<input type="checkbox"/> One Month	\$120
				<input type="checkbox"/> Two Months	\$450
				<input type="checkbox"/> Three Months	\$1020
TERMINAL DISCLAIMER				\$130	\$130
				TOTAL FEE	\$130.00

\*If the number in column a is less than 20, enter 0 in column c.

\*\*If the number in column a is less than 3, enter 0 in column c.

4. ☐ Fee check in the amount of \$ is enclosed to pay for any claim and/or extension fees.
5. ☒ Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$130.00. The Commissioner is hereby authorized to charge payment of any additional fees that may be required, or credit any overpayment to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
6. ☒ The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: June 8, 2006

Signature: Dmitry R. Milikovsky, Reg. No. 41,999  
(858) 845-0130QUALCOMM Incorporated  
Attn: Patent Department  
5775 Morehouse Drive  
San Diego, California 92121-1714  
Telephone: (858) 658-5787  
Facsimile: (858) 658-2502

## CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

## MAILING

- ☐ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Depositor's Name: \_\_\_\_\_  
(type or print name)

Date: June 8, 2006

## FACSIMILE

- ☒ transmitted by facsimile to the Patent and Trademark Office.

Depositor's Name: Kate Lane  
(type or print name)Signature: 

(TRANSAMD.VER1.13-04/30/04)